

**Supplement to Basic Technical Order**

**INSTALLATION OF A 5 VOLT POWER SUPPLY IN THE  
RADAR DATA ACQUISITION (RDA) DIGITAL CONTROL  
UNIT (DCU) DRAWER**

**DOPPLER METEOROLOGICAL RADAR  
WSR-88D**



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**NWS: Amendment 1 to EHB-6, Modification Note 44  
DoD: TO 31P1-4-108-558C  
FAA: Change EEM Modification Handbook 6345.1 CHG 5 Chap 1**

**NWS/DOD APPROVAL:**

**BY ORDER OF THE SECRETARY OF THE AIR FORCE**

**MICHAEL E. RYAN, General, USAF  
Chief of Staff**

\_\_\_\_\_ **Date** \_\_\_\_\_  
**Edward L. Berkowitz, Chief  
System Support Branch  
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**FAA APPROVAL:**

\_\_\_\_\_ **Date** \_\_\_\_\_  
**George W. Terrell  
Program Director for Operational Support**

**NWS: Amendment 1 to EHB-6, Modification Note 44**  
**DoD: TO 31P1-4-108-558C**  
**FAA: Change EEM Modification Handbook 6345.1 CHG 5 Chap 1**

**NOTES**

**(NWS)** This amendment supplements Modification Note 44, EHB-6, Issuance 97-16, dated 17 November 1997.

**(DoD)** This technical order supplements TO 31P1-4-108-558, data code 3118128, dated 17 November 1997.

**(FAA)** This change revises EEM Modification Handbook 6345.1 Chap 1, dated 17 November 1997.

This amendment only affects paragraphs 1, 2, 8, 15, 16, 17, 18 and revised pages in attachment 1.

Follow the instructions in paragraph 15 to remove and replace the affected pages within attachment 1.

**1. SUBJECT**

Installation of a 5 Volt Power Supply in the Radar Data Acquisition (RDA) Digital Control Unit (DCU) drawer.

**2. PURPOSE**

The purpose of this amendment is to provide corrected instructions to add a +5 V dc power supply, UD5A6PS3, part number LZS-50-1, a cable assembly, UD5A6W900, part number 2320003-301 to the DCU drawer, UD5A6, and modifications to the Data Acquisition Unit (DAU) backplane, UD5A3, to accommodate system monitoring of the voltage level of the new power supply.

The authority for this modification is Operational Support Facility (OSF) Engineering Change Proposal (ECP) F0086, Pedestal Encoder Voltage Level Upgrade.

For additional information concerning this modification note, contact the Operational Support Facility, System Support Branch, Norman, Oklahoma; phone number: (405) 366-6540 ext 3229.

**3. SITES AFFECTED**

This NWS amendment, DoD supplement, FAA change affects all WSR-88D RDA sites.

**NWS: Amendment 1 to EHB-6, Modification Note 44**  
**DoD: TO 31P1-4-108-558C**  
**FAA: Change EEM Modification Handbook 6345.1 CHG 5 Chap 1**

## 8. MATERIAL REQUIRED

### NOTE

Due to differences in the cable 5/105W622 between LPP and FSP production levels, LPP sites will not read voltage at pin XA2AA27 on the DAU backplane. The OSF will ship updated cables for all LPP sites.

Nomenclature	Part Number	NSN	Qty
a. Power Supply 5VDC	LZS-50-1	6130-01-445-4603	1 each
b. Sleeve Marker, TB1	1217089-201	N/A	1 each
c. Label, PS3	1214845-229	N/A	1 each
d. Cable Assembly	2320003-301	N/A	1 each
e. Metric Phillips Head Screw	B1867EC040130	5305-01-335-2803	4 each
f. Washer, M4 Flat	D70342/2-053	5310-01-388-4457	3 each
g. Washer, M4 Lock	D70336/1-20	5310-01-110-7933	3 each
h. Tape, Duct	A-A-2231	5640-00-103-2254	1 roll
i. Wirewrap, 18 inch	30-AWG	N/A	4 each
j. Label, DCU Drawer		N/A	1 each
k. Label, Wire harness TB-1	N/A	N/A	1 each
l. Tie wraps	MS3367-4-0	5975-00-903-2284	8 each

## 15. PROCEDURES

Use the following table to remove and replace the affected pages. Change bars on the outside margin of the page indicate the changes made. Place this amendment in front of the original Combined Document (Modification Note 44, TO 31P1-4-108-558, and EEM Modification Handbook 6345.1 Chap 1), as an official record of the changes made below:

Remove Pages	Replacement Pages
A1 - A2	Revised A1 - Revised A2
A5 - A6	Revised A5 - Original A6
A7 - A8	Revised A7 - Revised A8
A9 - A10	Original A9 - Revised A10

**16. FAA DISTRIBUTION**

This directive is distributed to selected offices and services within Washington headquarters, the William J. Hughes Technical Center, the Mike Monroney Aeronautical Center, regional Airway Facilities divisions, and Airway Facilities field offices having the following facilities/equipment: NXRAD.

**17. CHANGES TO TABLE OF CONTENTS (FAA)**

This change will be included in the next revision to the table of contents for FAA Order 6345.1, Electronic Equipment Modification Handbook - Next Generation Weather Radar (NEXRAD).

**18. RECOMMENDATIONS FOR CHANGES (FAA)**

Forward any recommendation for changes to this directive through normal channels to the National Airway Systems Engineering Division, AOS-200, Operational Support.